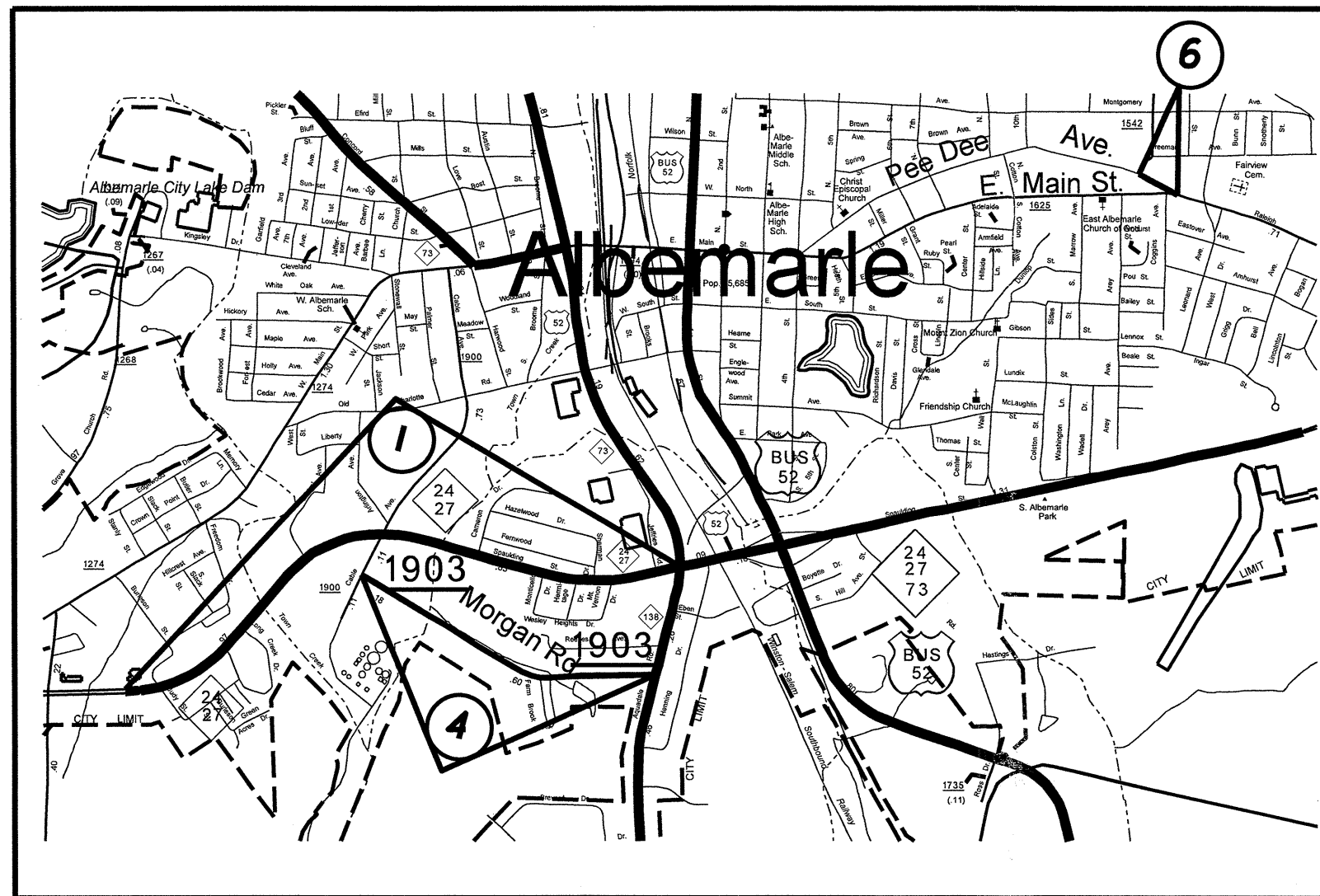
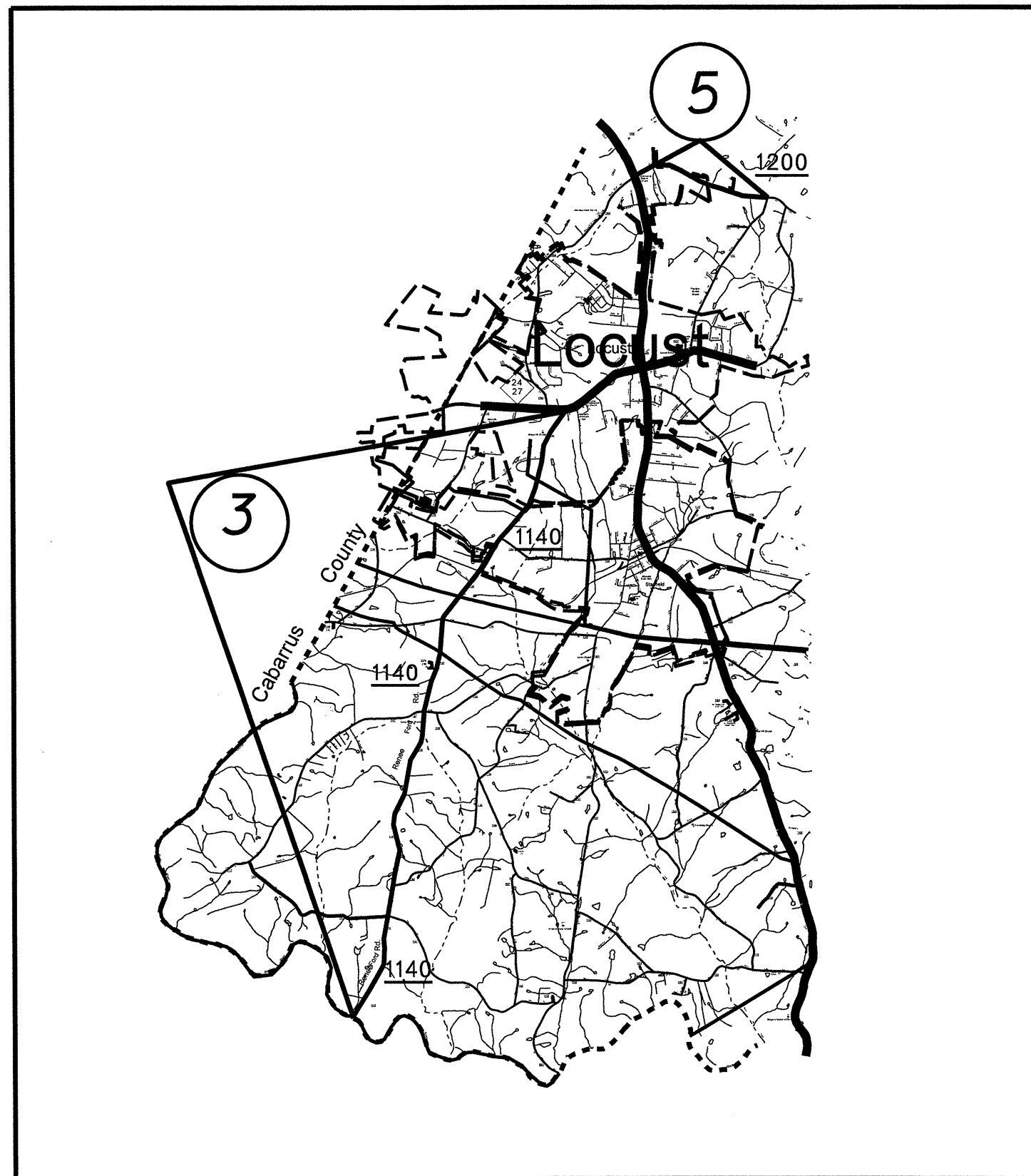


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10841.40.	1	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**STANLY COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - GIS UNIT  
IN COOPERATION WITH THE  
 U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10841.40,	2	2
F.A. PROJECT NO.			



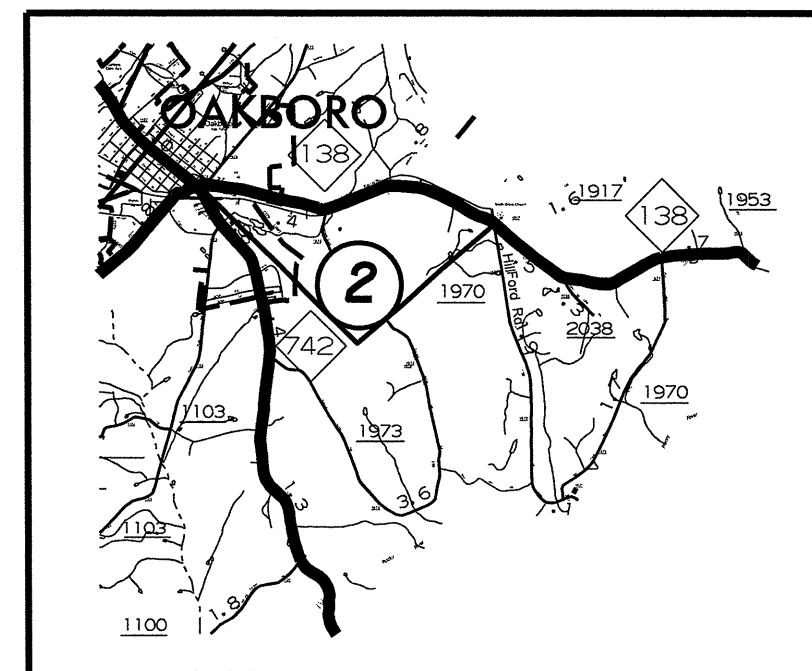
ENLARGED MUNICIPAL AND SUBURBAN AREAS

## STANLY COUNTY

NORTH CAROLINA

PREPARED BY THE  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS - GIS UNIT

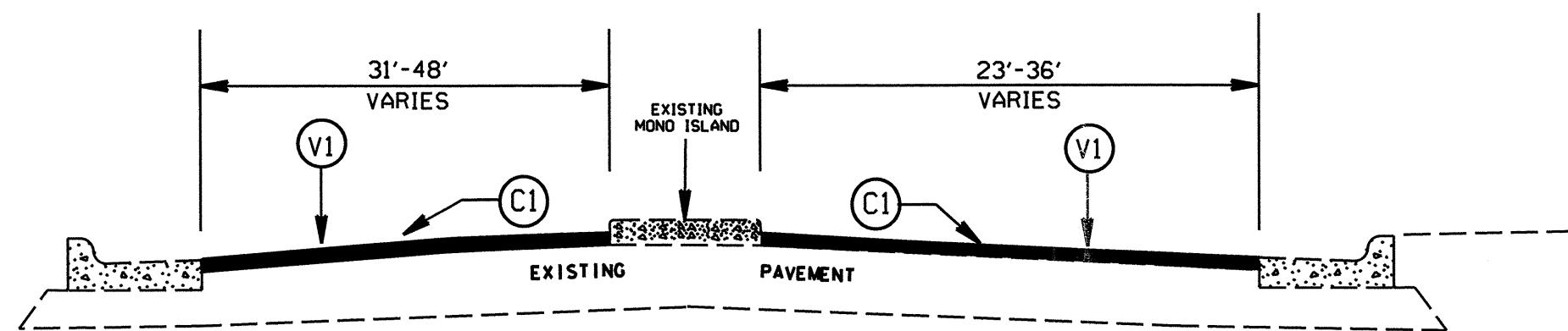
IN COOPERATION WITH THE  
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION



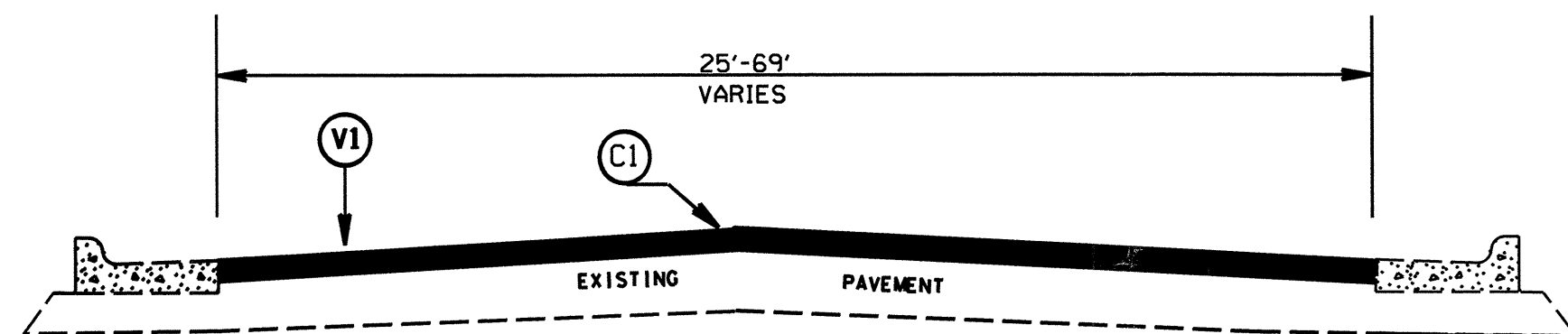
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10841.40.	3	
F.A. PROJECT NO.			



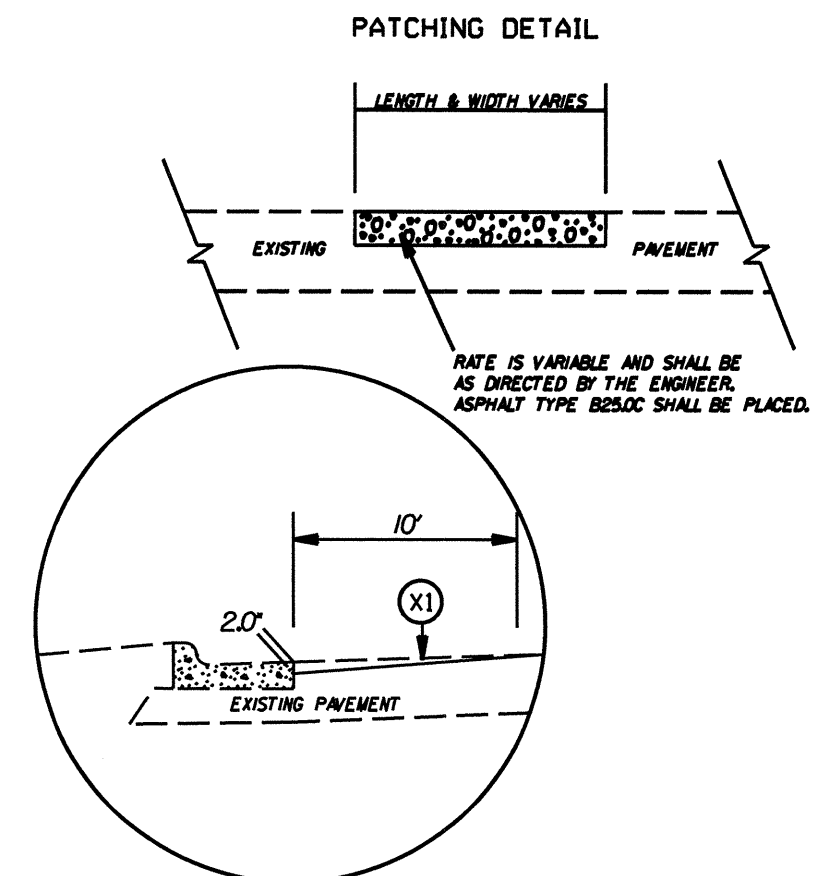
TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 1



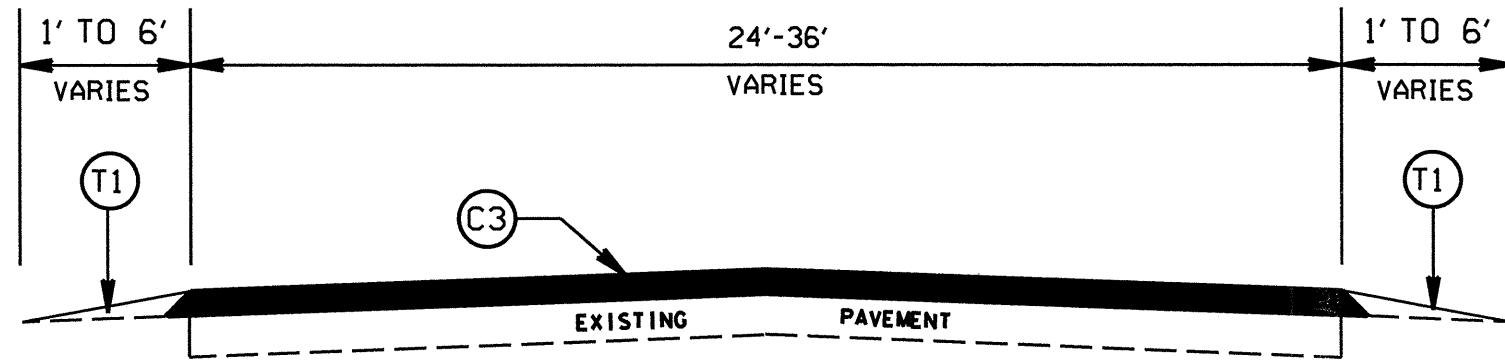
DETAIL FOR PROFILE MILLING (0" TO 2.0")

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT. 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0. TO 2.0" DEPTH.

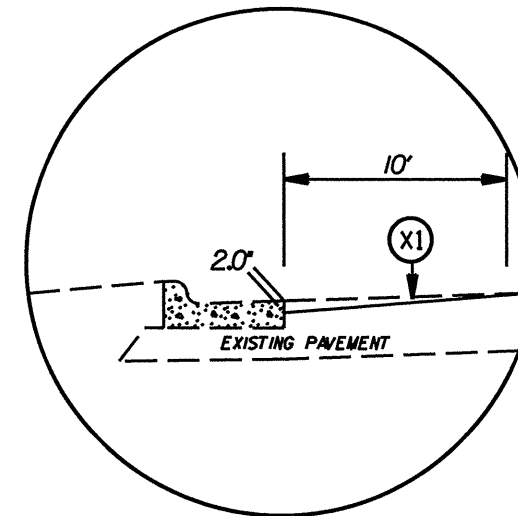
STANLY COUNTY  
RESURFACING 2014-2015

SCALE	-NA-		REVISIONS
DATE	12/13		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPH		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10841.40.	4	
F.A. PROJECT NO.			

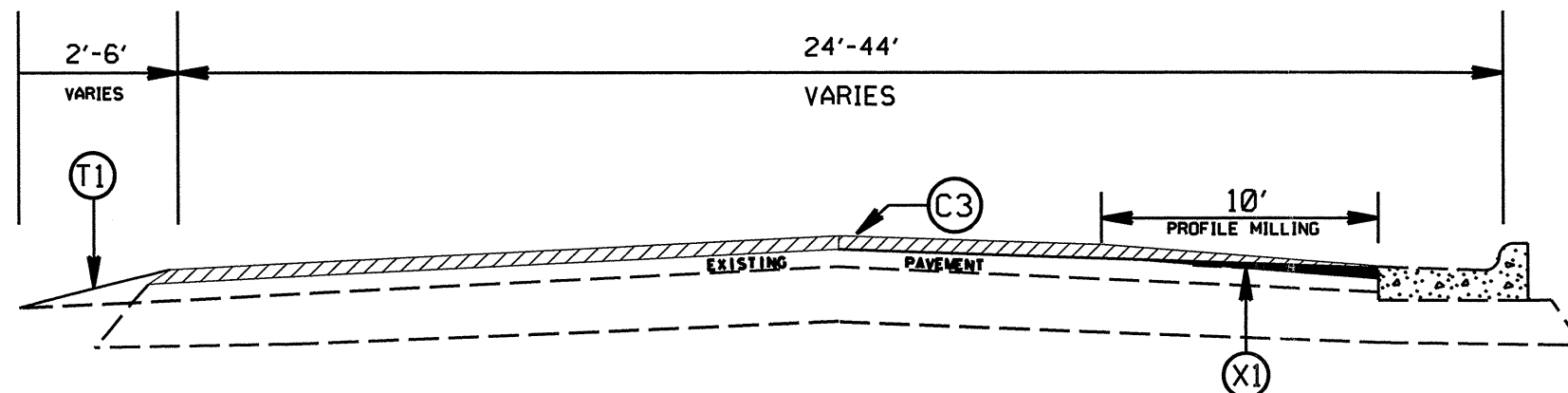
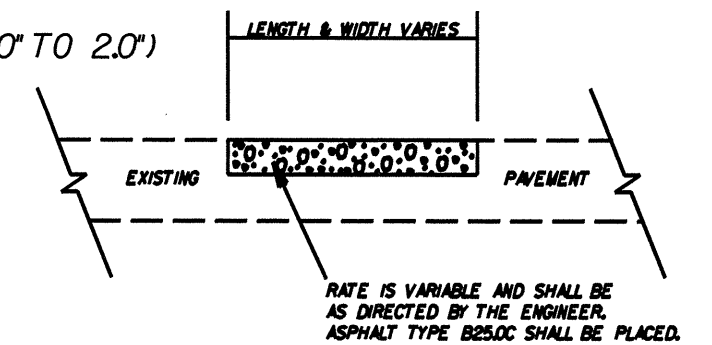


TYPICAL SECTION NO. 6

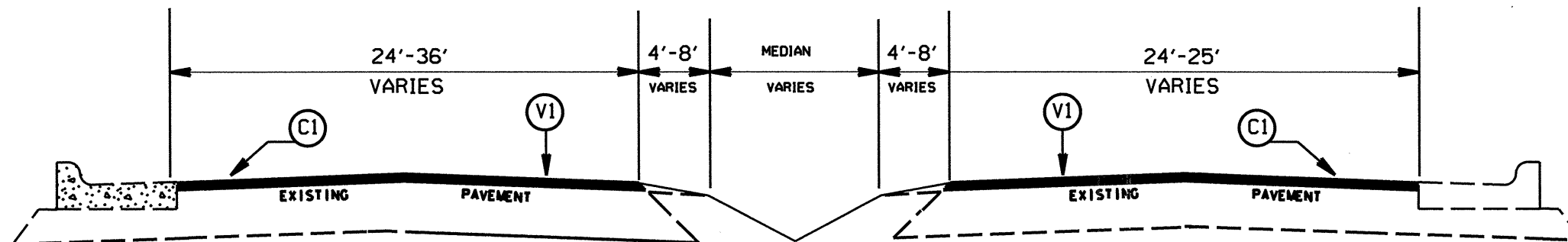


DETAIL FOR PROFILE MILLING (0' TO 2.0')

PATCHING DETAIL



TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 4

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT. 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0. TO 2.0" DEPTH.

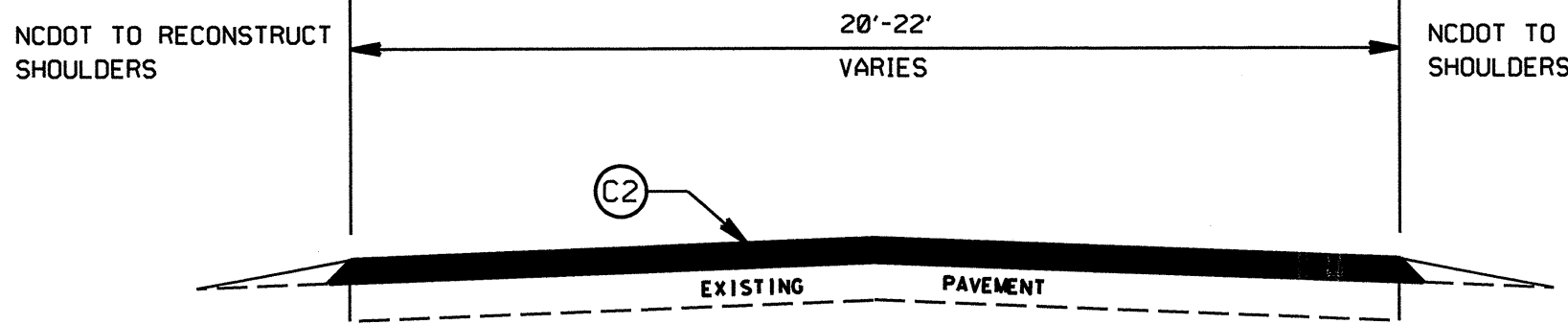
STANLY COUNTY  
RESURFACING 2014-2015

SCALE	-NA-
DATE	12/15
DWG. BY	JDA
DESIGN BY	JDA
APPROVED	MPW

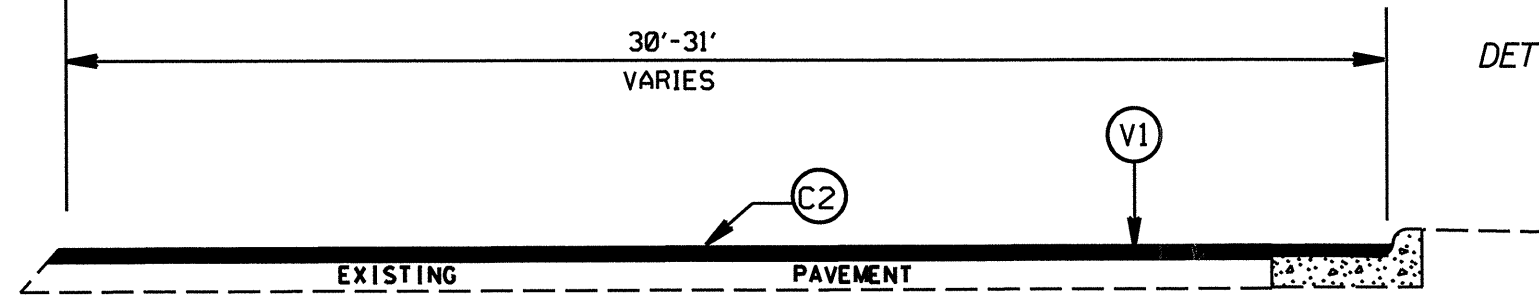


REVISIONS

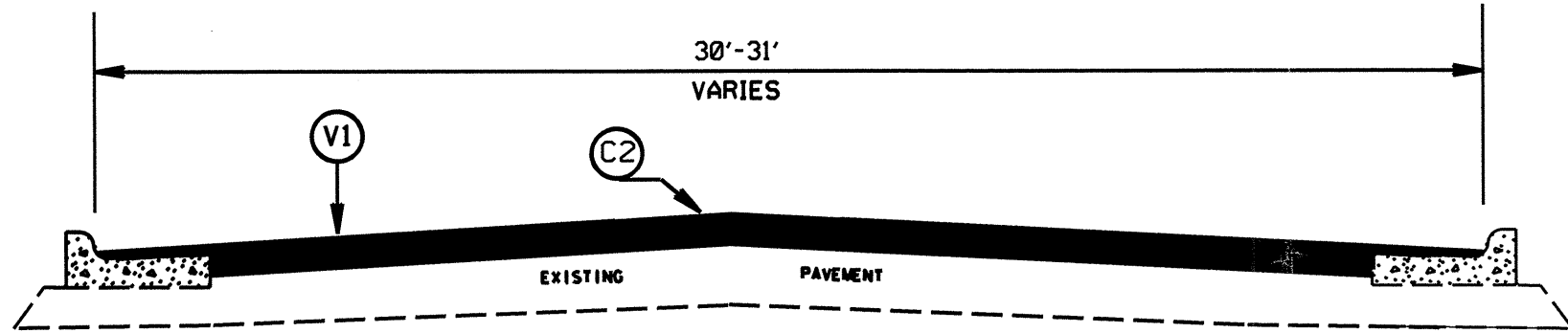
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR,10841,40,	5	
F.A. PROJECT NO.			



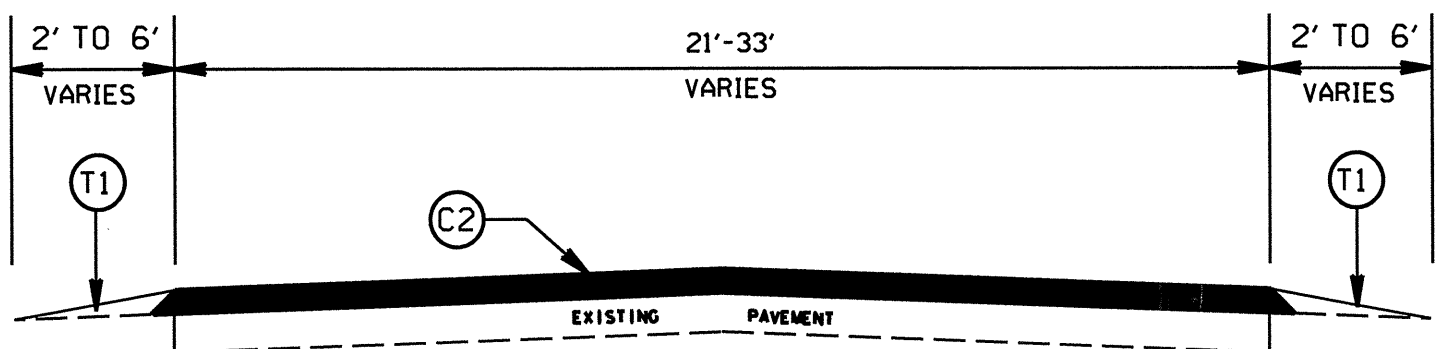
TYPICAL SECTION NO. 10



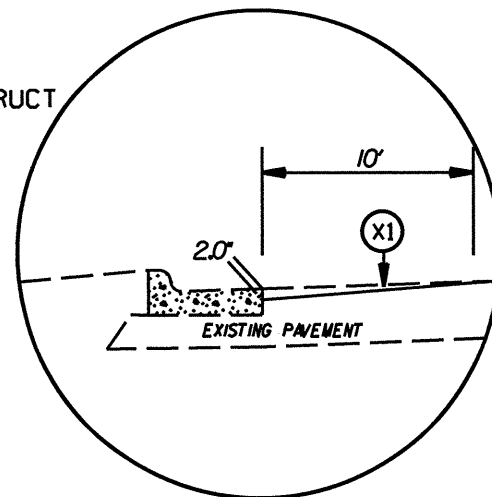
TYPICAL SECTION NO. 9



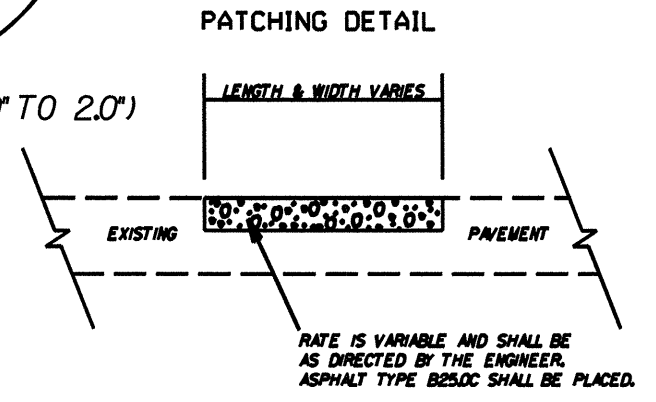
TYPICAL SECTION NO. 8



TYPICAL SECTION NO. 7



DETAIL FOR PROFILE MILLING (0' TO 2.0')

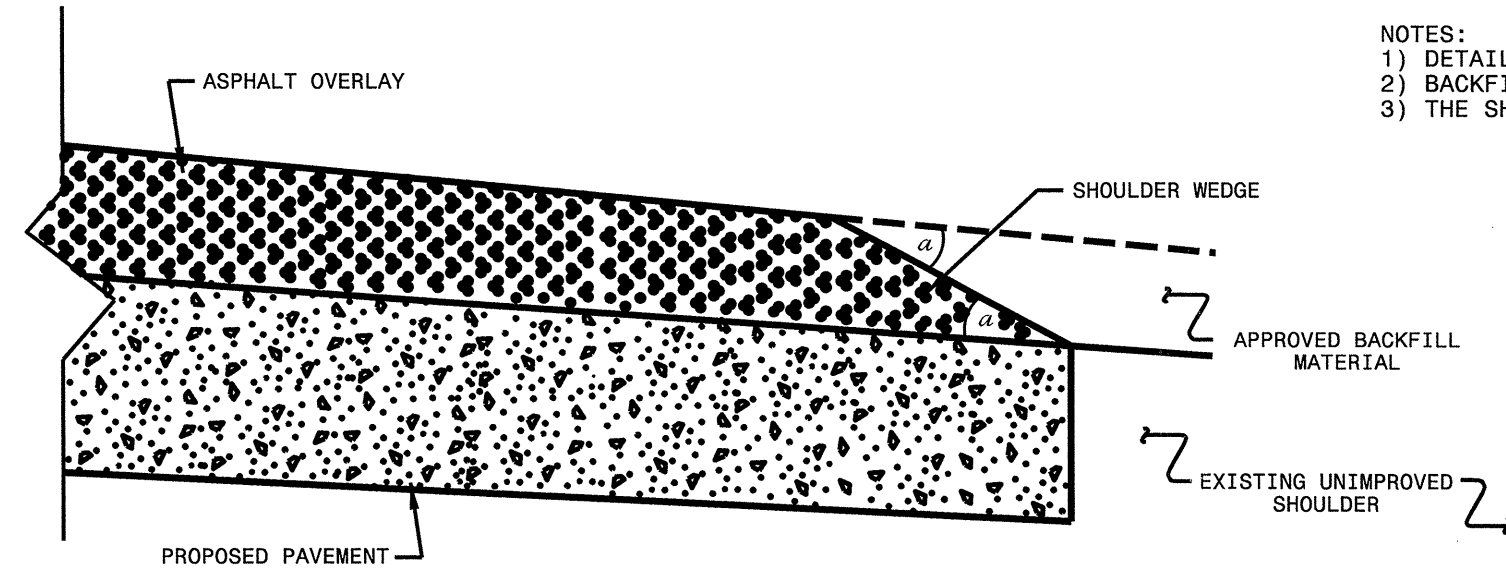


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT. 1.5" DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0_ TO 2.0" DEPTH.

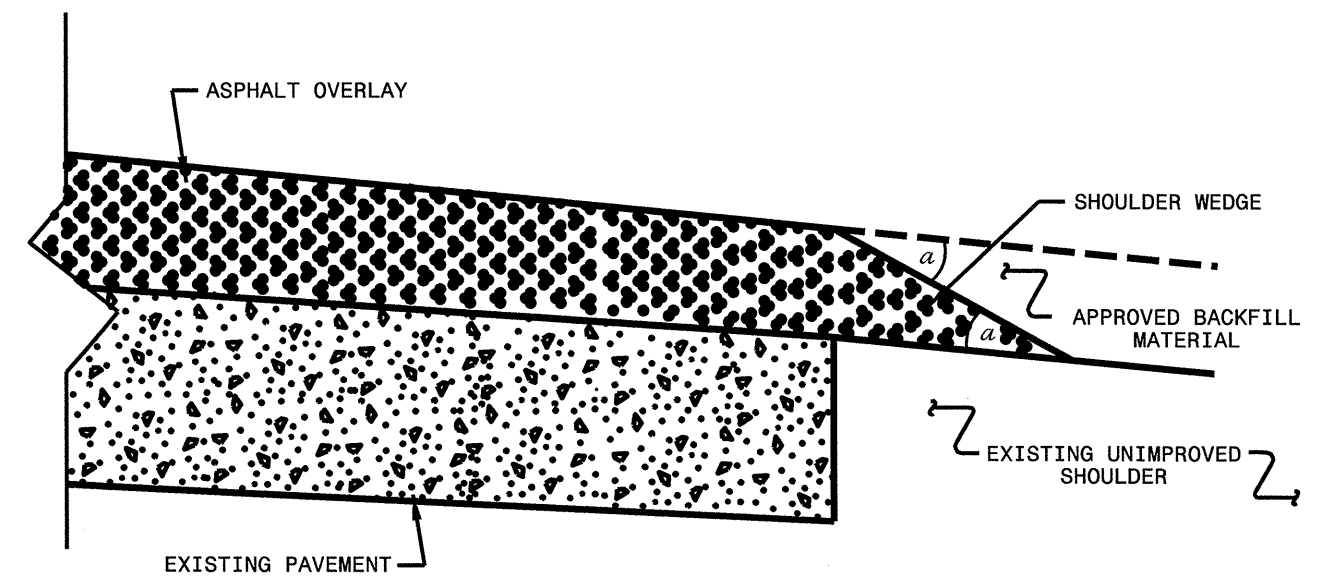
**STANLY COUNTY  
RESURFACING 2014-2015**

SCALE	-1/4"		REVISIONS
DATE	12/13		
DRG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPJ		

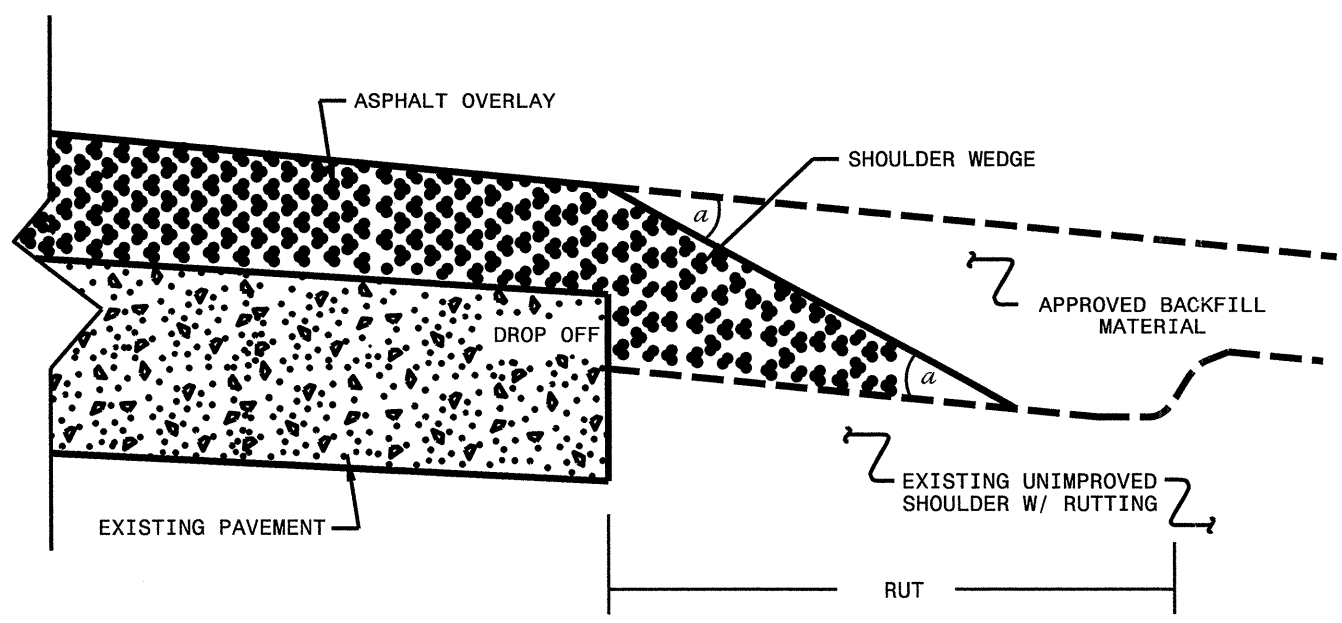
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ Widening or  
 with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS  
 AND DEVELOPMENT UNIT  
 Office 919-707-6950 FAX 919-250-4119

**SHOULDER WEDGE  
 DETAILS**

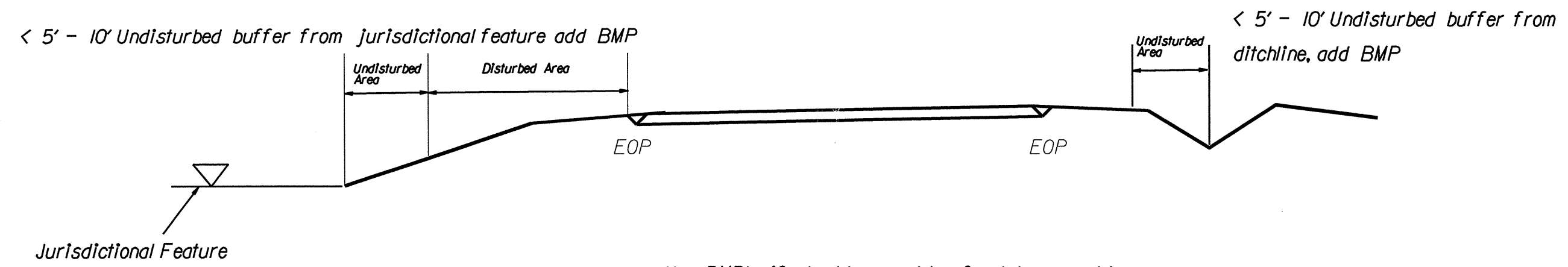
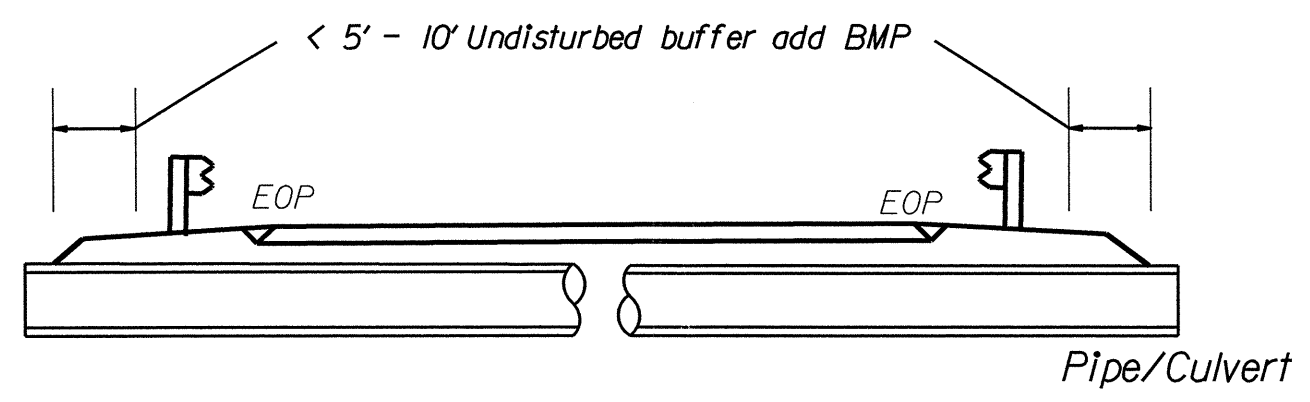
ORIGINAL BY: T.SPELL DATE: 7-19-11  
 MODIFIED BY: DATE: 10/16/12  
 CHECKED BY: DATE:  
 FILE SPEC: s:\usr\details\stand\shoulderwedgedetail.dgn

\*\*\*\*\*  
 SYSTEMS DESIGN  
 GROUP  
 \*\*\*\*\*

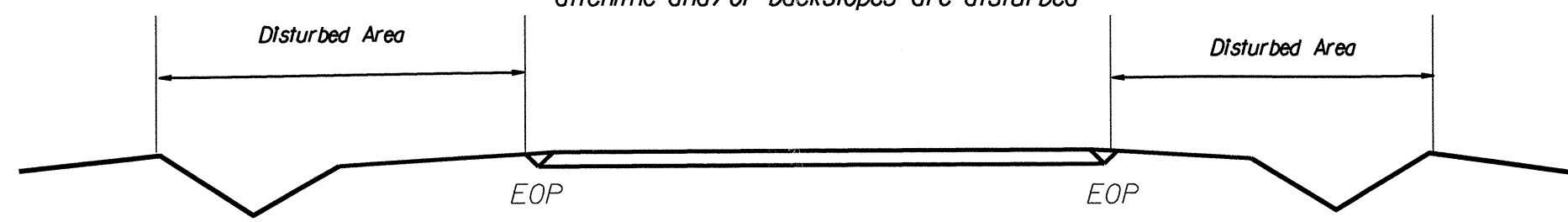
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

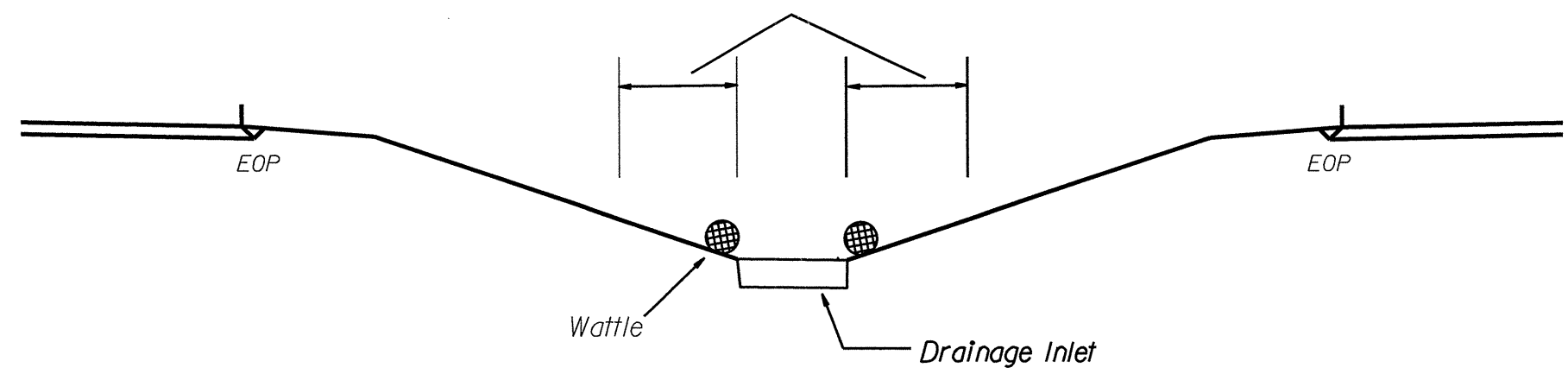
# EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

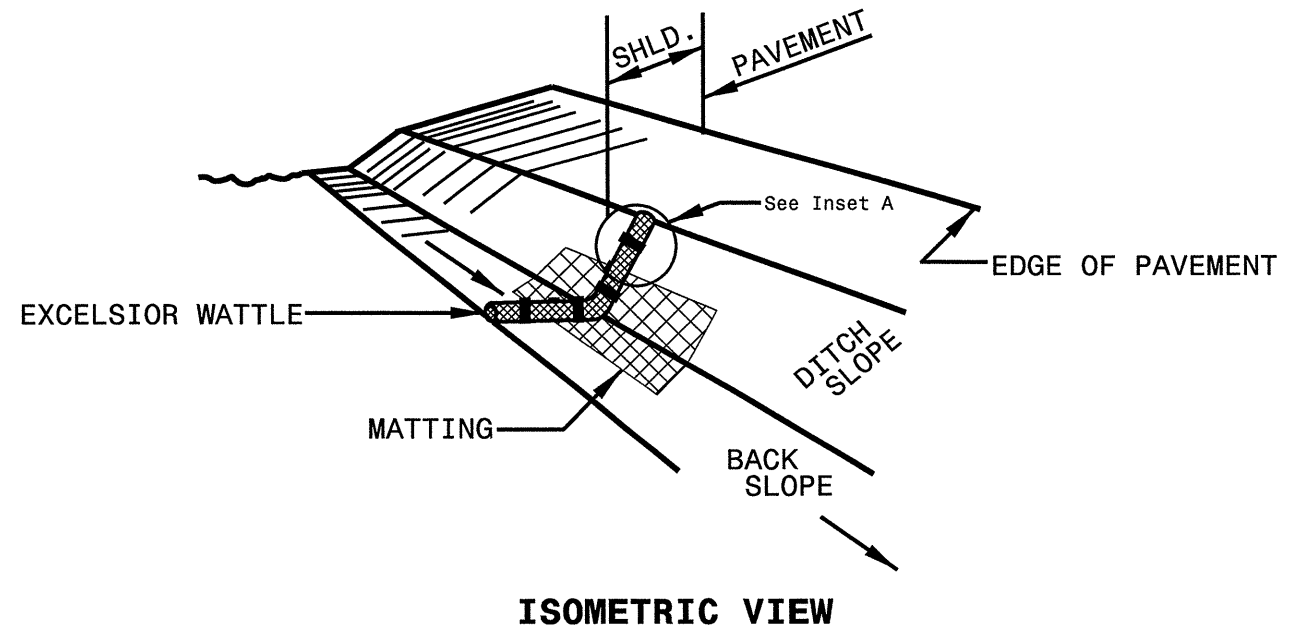


< 5' - 10' Undisturbed buffer from inlet, add wattle



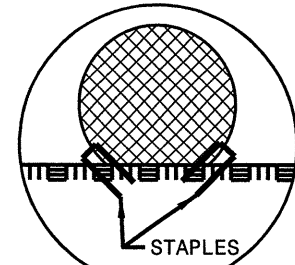
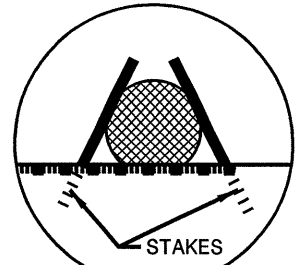
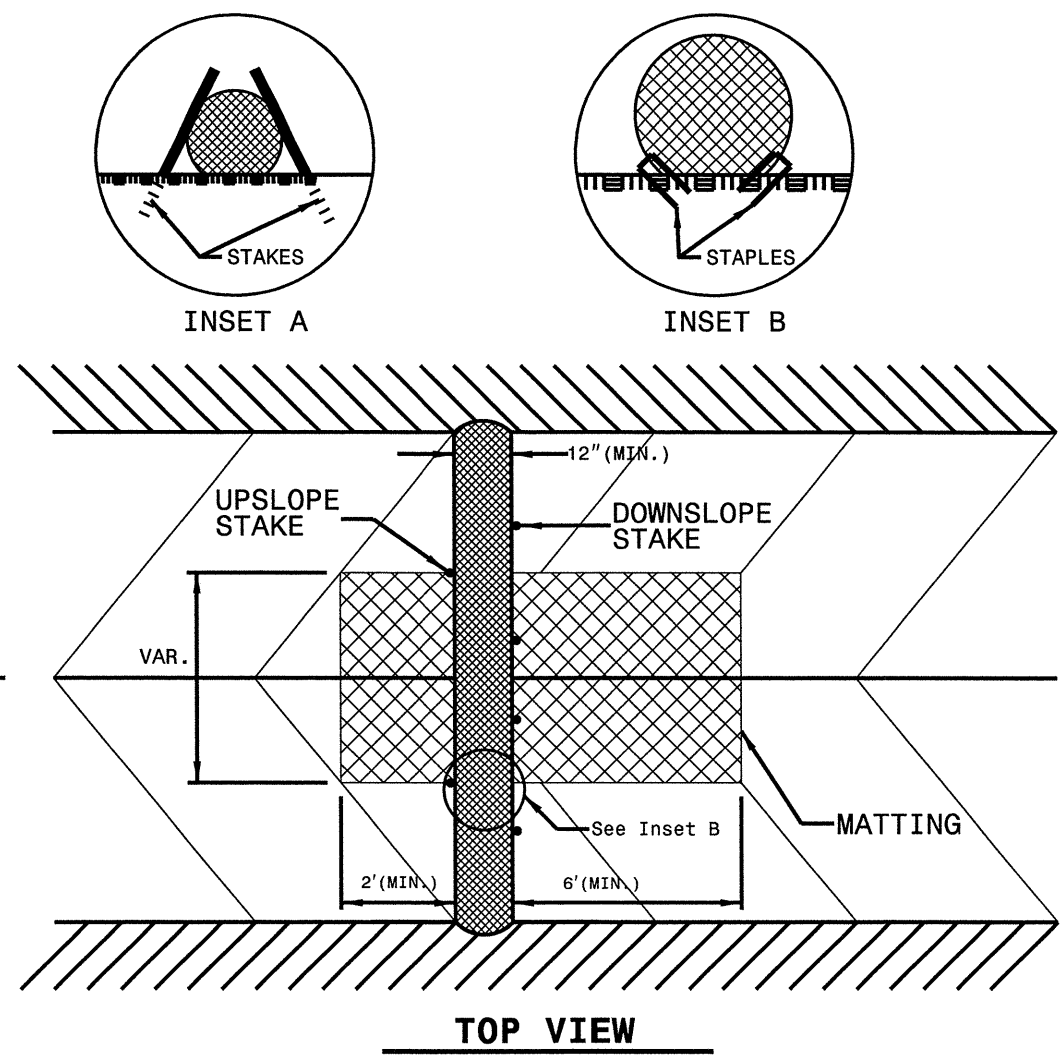
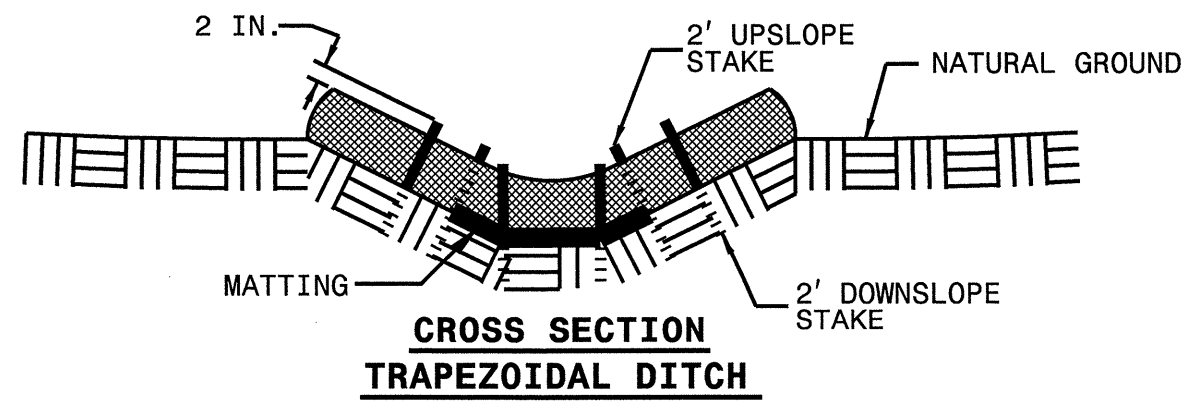
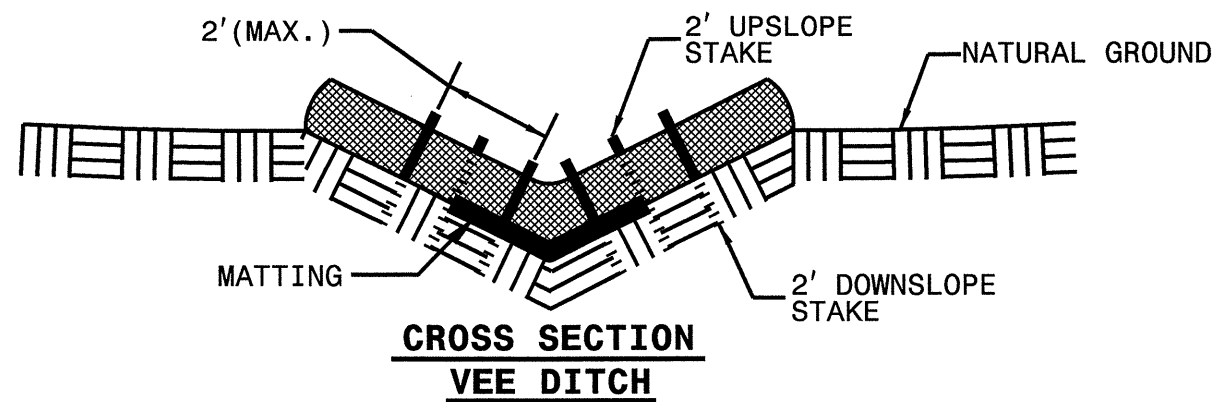
NOT TO SCALE

# WATTLE DETAIL



NOTES:

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.





PROJECT NO.	SHEET NO.	TOTAL NO.
DCR.10841.40, 10CR.10841.49, ETC.	9	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	0" TO 2.0" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF	
10CR.10841.40	Stanly	1	NC 24/27	FROM US 52 TO PAVEMENT JOINT BEFORE SR 1963 (SAINT MARTIN RD) MILEPOST 15.27 TO 16.83	1,2,3,4	5		NO	NO	1.56	24-78				56,500					5,744	339	400	2	4			
<b>TOTAL FOR MAP NO. 1</b>										<b>1.56</b>					<b>56,500</b>					<b>5,744</b>	<b>339</b>	<b>400</b>	<b>2</b>	<b>4</b>			
<b>TOTAL FOR PROJ NO. 10CR.10841.40</b>										<b>1.56</b>					<b>56,500</b>					<b>5,744</b>	<b>339</b>	<b>400</b>	<b>2</b>	<b>4</b>			
10CR.10841.41	Stanly	2	NC 138	FROM PAVEMENT JOINT AT NC 742 TO PAST SR 1970 (HILLS FORD RD) MILEPOST 0.00 TO 1.94	5,6	2		NO	NO	1.94	23-36	97	146	3.88		520	250	3,664	200		233	450			200	400	
<b>TOTAL FOR MAP NO. 2</b>										<b>1.94</b>		<b>97</b>	<b>146</b>	<b>3.88</b>		<b>520</b>	<b>250</b>	<b>3,664</b>	<b>200</b>		<b>233</b>	<b>450</b>			<b>200</b>	<b>400</b>	
<b>TOTAL FOR PROJ NO. 10CR.10841.41</b>										<b>1.94</b>		<b>97</b>	<b>146</b>	<b>3.88</b>		<b>520</b>	<b>250</b>	<b>3,664</b>	<b>200</b>		<b>233</b>	<b>450</b>			<b>200</b>	<b>400</b>	
10CR.20841.49	Stanly	3	SR 1140 (RENEE FORD RD)	FROM PAVEMENT JOINT BEFORE NC 24/27 TO UNION CO. LINE MILEPOST 0.08 TO 6.35	7	2		NO	NO	6.27	22-25	627	475	12.54			300	8,135	400		514	400			500	1,360	
<b>TOTAL FOR MAP NO. 3</b>										<b>6.27</b>		<b>627</b>	<b>475</b>	<b>12.54</b>			<b>300</b>	<b>8,135</b>	<b>400</b>		<b>514</b>	<b>400</b>			<b>500</b>	<b>1,360</b>	
<b>TOTAL FOR PROJ NO. 10CR.20841.49</b>										<b>6.27</b>		<b>627</b>	<b>475</b>	<b>12.54</b>			<b>300</b>	<b>8,135</b>	<b>400</b>		<b>514</b>	<b>400</b>			<b>500</b>	<b>1,360</b>	
10CR.20841.50	Stanly	4	SR 1903 (MORGAN RD)	FROM SR 1900 (COBLE AVE) TO PAVEMENT JOINT BEFORE US 52 MILEPOST 0.00 TO 0.75	10	2		NO	NO	0.75	20-21						310	818			49						
<b>TOTAL FOR MAP NO. 4</b>										<b>0.75</b>							<b>310</b>	<b>818</b>			<b>49</b>						
<b>TOTAL FOR PROJ NO. 10CR.20841.50</b>										<b>0.75</b>							<b>310</b>	<b>818</b>			<b>49</b>						
10CR.20841.51	Stanly	5	SR 1200 (BETHEL CHURCH RD)	FROM NC 200 TO SR 12111 (COLEY STORE RD) MILEPOST 2.70 TO 4.06	7	2		NO	NO	1.36	21-33	136	100	2.72			110	1,741	100		111	400		2	300	560	
<b>TOTAL FOR MAP NO. 5</b>										<b>1.36</b>		<b>136</b>	<b>100</b>	<b>2.72</b>			<b>110</b>	<b>1,741</b>	<b>100</b>		<b>111</b>	<b>400</b>		<b>2</b>	<b>300</b>	<b>560</b>	
<b>TOTAL FOR PROJ NO. 10CR.20841.51</b>										<b>1.36</b>		<b>136</b>	<b>100</b>	<b>2.72</b>			<b>110</b>	<b>1,741</b>	<b>100</b>		<b>111</b>	<b>400</b>		<b>2</b>	<b>300</b>	<b>560</b>	
10CR.20841.52	Stanly	6	SR 1542 (PEE DEE AVE)	FROM SR 1542 (RIDGE ST) TO SR 1625 (E MAIN ST) MILEPOST 4.14 TO 4.24	8,9	2		NO	NO	0.1	30-31				1,819			169			10	30					
<b>TOTAL FOR MAP NO. 6</b>										<b>0.1</b>					<b>1,819</b>			<b>169</b>			<b>10</b>	<b>30</b>					
<b>TOTAL FOR PROJ NO. 10CR.20841.52</b>										<b>0.1</b>					<b>1,819</b>			<b>169</b>			<b>10</b>	<b>30</b>					
<b>GRAND TOTAL</b>										<b>11.98</b>		<b>860</b>	<b>721</b>	<b>19.14</b>		<b>58,319</b>	<b>520</b>	<b>970</b>	<b>14,527</b>	<b>700</b>	<b>5,744</b>	<b>1,256</b>	<b>1,680</b>	<b>2</b>	<b>6</b>	<b>1,000</b>	<b>2,320</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10841.40, 10CR.10841.41 10CR.20841.49, ETC.	10	

**THERMOPLASTIC AND PAINT QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4510000000-N	4413000000-E	4457000000-N	4685000000-E		4686000000-E		4700000000-E	4705000000-E	4710000000-E	4721000000-E			
										LAW ENFORCEMENT	WORK ZONE ADV./GEN. WARN. SIGN	TEMP. TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	12" X 90 M YELLOW THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO RXR 120 M	THERMO MSG SCHOOL 120 M	THERMO MSG STOP 120 M	THERMO MSG AHEAD 120 M
										HR	SR	LS	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	
10CR.10841.40	Stanly	1	NC 24/27	FROM US 52 TO PAVEMENT JOINT BEFORE SR 1963 (SAINT MARTIN RD) MILEPOST 15.27 TO 16.83		1,2,3,4	5	1.56	60	120	323.5	LS	705	3,820	12,300	6,260	80		285				
TOTAL FOR MAP NO. 1																							
TOTAL FOR PROJ NO. 10CR.10841.40													4,525		18,560								
10CR.10841.41	Stanly	2	NC 138	FROM PAVEMENT JOINT AT NC 742 TO PAST SR 1970 (HILLS FORD RD) MILEPOST 0.00 TO 1.94		5,6	2	1.94	24		323.5	*	20,874		12,804		200	100	50	4			
TOTAL FOR MAP NO. 2																							
TOTAL FOR PROJ NO. 10CR.10841.41																							
10CR.20841.49	Stanly	3	SR 1140 (RENEE FORD RD)	FROM PAVEMENT JOINT BEFORE NC 24/27 TO UNION CO. LINE MILEPOST 0.08 TO 6.35		7	2	6.27	23		161.75	*						100		12			
TOTAL FOR MAP NO. 3																							
TOTAL FOR PROJ NO. 10CR.20841.49																							
10CR.20841.50	Stanly	4	SR 1903 (MORGAN RD)	FROM SR 1900 (COBLE AVE) TO PAVEMENT JOINT BEFORE US 52 MILEPOST 0.00 TO 0.75		10	2	0.75	21		161.75	*											
TOTAL FOR MAP NO. 4																							
TOTAL FOR PROJ NO. 10CR.20841.50																							
10CR.20841.51	Stanly	5	SR 1200 (BETHEL CHURCH RD)	FROM NC 200 TO SR 12111 (COLEY STORE RD) MILEPOST 2.70 TO 4.06		7	2	1.36	22		161.75	*						50			8		
TOTAL FOR MAP NO. 5																							
TOTAL FOR PROJ NO. 10CR.20841.51																							
10CR.20841.52	Stanly	6	SR 1542 (PEE DEE AVE)	FROM SR 1542 (RIDGE ST) TO SR 1625 (E MAIN ST) MILEPOST 4.14 TO 4.24		8,9	2	0.1	31		161.75	*											
TOTAL FOR MAP NO. 6																							
TOTAL FOR PROJ NO. 10CR.20841.52																							
GRAND TOTAL																							
										120	1,294	1	21,579	3,820	25,104	6,260	280	100	485	4	12	8	5
													25,399		31,364								

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4725000000-E			4770000000-E	4775000000-E	4810000000-E		4825000000-E	4835000000-E	4850000000-E	4900000000-N		
										THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 2 OR 3 (4")	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 2 OR 3 (6")	4" YELLOW PAINT	4" WHITE PAINT	12" YELLOW PAINT	24" WHITE PAINT	4" LINE REMOVAL	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS	
										EA	EA	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	
10CR.10841.40	Stanly	1	NC 24/27	FROM US 52 TO PAVEMENT JOINT BEFORE SR 1963 (SAINT MARTIN RD) MILEPOST 15.27 TO 16.83		1,2,3,4	5	1.56	60	48	15	3	960	210	12,300	6,260	80	285	1,165	115	325	
TOTAL FOR MAP NO. 1																						
TOTAL FOR PROJ NO. 10CR.10841.40																						
10CR.10841.41	Stanly	2	NC 138	FROM PAVEMENT JOINT AT NC 742 TO PAST SR 1970 (HILLS FORD RD) MILEPOST 0.00 TO 1.94		5,6	2	1.94	24											128	10	
TOTAL FOR MAP NO. 2																						
TOTAL FOR PROJ NO. 10CR.10841.41																						
10CR.20841.49	Stanly	3	SR 1140 (RENEE FORD RD)	FROM PAVEMENT JOINT BEFORE NC 24/27 TO UNION CO. LINE MILEPOST 0.08 TO 6.35		7	2	6.27	23						82,764	134,930						
TOTAL FOR MAP NO. 3																						
TOTAL FOR PROJ NO. 10CR.20841.49																						
10CR.20841.50	Stanly	4	SR 1903 (MORGAN RD)	FROM SR 1900 (COBLE AVE) TO PAVEMENT JOINT BEFORE US 52 MILEPOST 0.00 TO 0.75		10	2	0.75	21						9,900	16,140						
TOTAL FOR MAP NO. 4																						
TOTAL FOR PROJ NO. 10CR.20841.50																						
10CR.20841.51	Stanly	5	SR 1200 (BETHEL CHURCH RD)	FROM NC 200 TO SR 12111 (COLEY STORE RD) MILEPOST 2.70 TO 4.06		7	2	1.36	22	2					17,952	29,267		160				
TOTAL FOR MAP NO. 5																						
TOTAL FOR PROJ NO. 10CR.20841.51																						
10CR.20841.52	Stanly	6	SR 1542 (PEE DEE AVE)	FROM SR 1542 (RIDGE ST) TO SR 1625 (E MAIN ST) MILEPOST 4.14 TO 4.24		8,9	2	0.1	31						640	200						
TOTAL FOR MAP NO. 6																						
TOTAL FOR PROJ NO. 10CR.20841.52																						
GRAND TOTAL																						
										50	15	3	960	210	123,556	186,797	240	285	1,165	243	335	
													68		310,353						578	